Appendix A Building Survey Forms



Part 1 General Inform	ation			
Site Name: Bristol-Mye	rs Squibb Manufacturing Company			
Mailing Address: POB	ox 609			
City: Humacao	Sta	ite: PR	Zip Code:	00791
Preparer's Name:	David Lindstrand/Terry Taylor		Date:	12/8/14
Preparer's Affiliation:	Anderson Mulholland & Associates	s, Inc	Phone Number:	914-251-0400
Weather Conditions:	Scattered showers, mid 80s			
Part 2 Building Occup Building Number: Building Building Contact Info Mailing Address: Alvin C City: Humacao	ng 5	Zip Code: 00	1792 Phone	Number 787-656-4364
, ,	Unoccupied, first floor is current	ly used for equipment stor	rage, second floor is vaca	nnt
Secondary Usage:	armaceutical ingredient manufacturing	α		
Number of Building Occ			cupancy: NA	
Building Type (Check a  Commercial (Office)  Sensitive Population  Describe: Currently used to	■Commercial (Ma		Commercial (War	ehouse)
Year Constructed: 1974		Number of E	Elevators: 0	
Building Size: 18,909 sq f		Location of E	Elevators: NA	_
Number of Floors above	e grade: 2			
Floor Usage:				
Construction and Fini Glue/Sealants Used? Number of floors below Basement Type:  ☐Full ☐Partial	☐Yes ■No Descr			
Basement Characteris	tics (first floor characterist	tics if no basement	is present)	
Floor Construction:  Concrete Dirt	☐Stone [	Other (specify): R	Reinforced, 8" thick	
Floor Finish: ■Bare □Tile Glue/Sealants Used?	□Carpet □	Other (specify): _ Describe: _		
Wall Construction: ☐Poured Concrete ■	Cinder Blocks □Stone [			concrete block between Bldg 5 and Bldg 6
Moisture:  ☐Moist ☐Damp  Basement Sump/Sump ☐Yes ☐No  Water in sump? ☐Ye  Location:	■Dry Pump Present? es □No			_ □Active □Inactive
Floor Drains Present?	December			
■Yes	Describe varies inside build	ling		



Are plumbing pipes  ■Yes  No	or utility conduits pres Describe: See Bi	ent that pene		?		
Vapor barrier preser ☐Yes ■No		3				
_	I under the floor slab?  Describe:	,				
_	ed to concrete to minir	nize cracking				
Other techniques us  ■Yes □No	ed to restrict vapor m  Describe: Floor o	igration through	•			
Building Expansion	าร					
Year: None	Describe:					
Part 4 HVAC Chara Primary Fuel: Natural Gas Wood Commercial/Industr HVAC Drawings Rev	□Fuel Oil □Kerosene rial HVAC	,	□Propane □Solar		■Electricity □Other	
— Contact information f Name:		and Facilities		Phone Nu	mber: <u>787-656-4290</u>	
Mailing Address: City:	Humacao	State:	Puerto Rico	Zip (	Code: 00791	
Hours of Operation: Is HVAC zoned?	Week: 24-hours			_ Weekend	24-hours	
■Yes	No If not, what ty ate HVAC zones: Fire	•		makeup air duc	ts. Exhaust ducts are connected to	a
Outside Air Intakes Number of Intakes:			Eleverit		0'	
Economizer Installed	Location: roof ? ☐Yes ☐No	Damper Pe	Elevation ercent:		Size: 2' x 2' Flow Rate (CFM):	
		•				
1. Economizer Installed	Location:  ?	Damper F	Eleva Percent:	ition:	Size:	
Exhaust Capability? ■Yes	]No passive/active ventilat ☐Window	ion systems a	are present/op ■Doors			



#### **Part 5 Potential Indoor Chemical Sources**

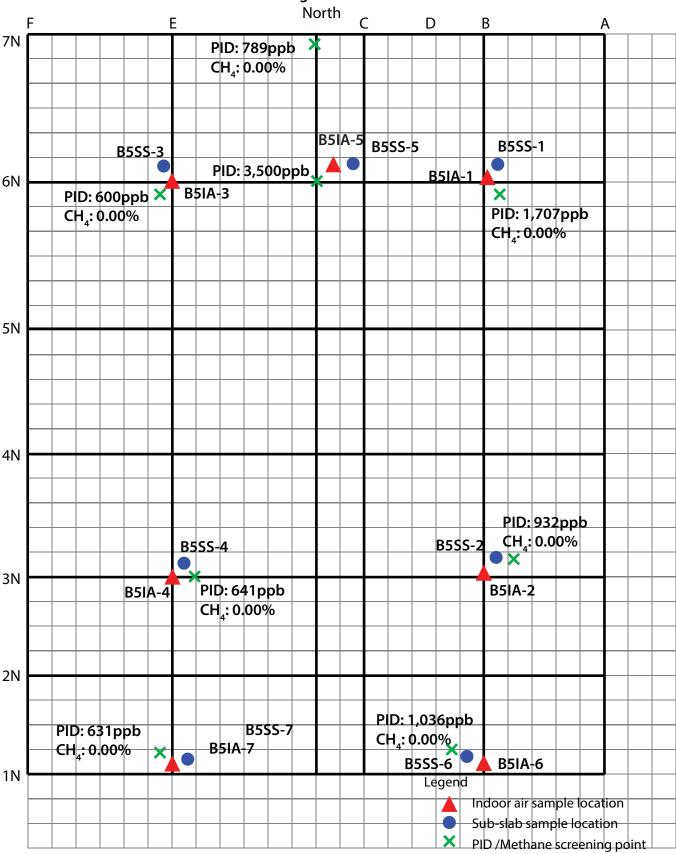
Description Quantity Location MSDS Removed to Sample Control of the Control of th						
Diesel generator for air compressor	1	1st floor west wall	■Yes	□No	□Yes	■No
Tribiology Tech-lube Food Grade SP Oil	1	1st floor west wall	■Yes	□No	□Yes	■No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
Part 6 Outside Sources of Contaminan Stationary emission sources present?  Yes No Describe:	ts					
Mobile emission sources present						
	earby vehicle	e emissions when overh	ead doors	are open		
Loading Docks?  ■Yes □No Describe: N	ot currently a	active				
Chemical Storage Locations?  ☐Yes ■No Describe:						



Part 7 Miscellaneous Information	
Do any of the occupants smoke?	☐Yes ■No
Was there any recent remodeling or painting done in the building?	☐Yes ■No Describe:
Describe the most recent carpeting applied in the building?	When? NA Where?
Were glues used to attach the carpeting to the floor slab?	☐Yes ☐No
Are there any pressed wood products in the building (e.g. hardwood, plywood wall paneling, particleboard, and fiberboard)?	■Yes □No Describe: Plywood for crates
Are there any new upholstery, drapes, or other textiles?	☐Yes ■No Describe:
Has the building been treated with any pesticides/insecticides?	Yes ■No
What Chemicals?	How often?
Is there any other information about the structural features of the bupotential sources of chemical contaminants to the indoor air that maevaluation of the indoor air quality of the building?	
Part 8 PID Screening	
Type of Instrument Used: ppbRAE and GEM 2000  Measurement Location: see attached diagram	
Measurement Description:	☐Sump ☐Product
· — —	Screening Value: 600 - 3,500 ppb
Map Location: see attached diagram	Photograph ID:
Part 9 Sampling Information  Sample Technician: Terry Taylor Phone Number  Sample Source: Indoor Air Sub-Slab Near Slab Soil Gas  Sample Type: Tedlar Bag Sorbent Stainless Steel Can  Analytical Method: TO-15 TO-17 Other: Cert.  Sample Location  Field ID#: See attached diagram Field ID#:  Field ID#: Field ID#:	<del></del> -
Weather Conditions  Outside temperature at time of sampling?  Expected High Temperature? 85 °F  Was there significant precipitation within 12 hours of (or during the sampling) event? Yes No  Describe the general weather conditions: Scattered showers  General Observations	
Provide any information that may be pertinent to the sampling event process:	and may assist in the data interpretation





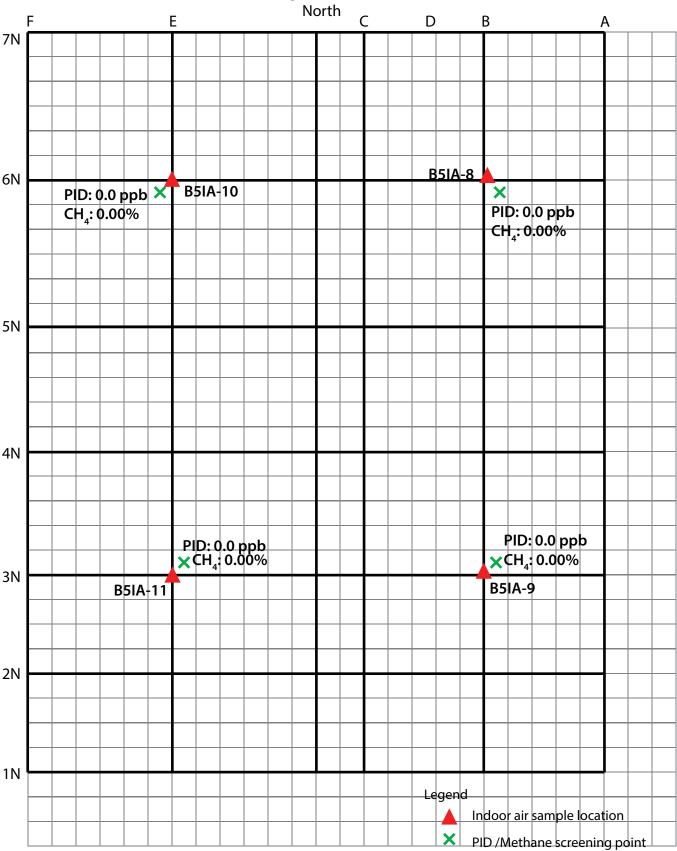


**Sample Location** 

South



#### **Building 5 Second Floor**



**Sample Location** 

South



Part 1 General Inform	ation					
Site Name: BMSMC H						
Mailing Address: Rd #3		_				
City: Humacao		State:	PR	Zip Cod	-	
Preparer's Name:	Dave Lindstrand			Dat	e: _	1/29/2015
Preparer's Affiliation:	Anderson Mulholland & Assoc	iates		Phone Numb	er:	787-487-4290
Weather Conditions:	Sunny, mid 80's					
Part 2 Building Occup Building Number: Building Building Contact Info Mailing Address: Alvin C City: Humacao	ng 6 Room 129		Zip Code: 0	<sup>0791</sup> Pho	ne N	Number 787-656-4364
Primary Building Usage	e: Manufacture of USP purifie	d water for	injection			
Secondary Usage: store						
Former Usage: None						
Number of Building Oc	cupants: 0		_ Times of O	ccupancy: period	dically	for inspection and maintenance
Part 3 Building Chara Building Type (Check a						
Commercial (Office) Sensitive Population Describe: Water Purificati			0,	Commercial (W	/are	thouse)
Year Constructed: 1974			Number of E	Elevators: 0		
	(630 ft^2), equipment room (1,7	00 ft^2)	Location of			
Number of Floors above			<del></del>			
Floor Usage:			_			
Construction and Fini Glue/Sealants Used? Number of floors below Basement Type:	□Yes ■No De	escribe:				
☐Full ☐Partial	Crawl Space	None				
<del>_</del>	stics (first floor characte	eristics i				
Floor Finish:			_			
_BareTile	☐ Carpet	<b>■</b> Otl	her (specify):	epoxy painted		
Glue/Sealants Used?		_				
Wall Construction:  ☐Poured Concrete ☐	Cinder Blocks	■Ot				
Moisture:  ☐Moist ☐Damp  Basement Sump/Sump ☐Yes ■No  Water in sump? ☐Ye  Location:	_					☐Active ☐Inactive
Floor Drains Present?						
■Yes	Describe					



Are plumbing pipes ■Yes □No	or utility conduits prese Describe:	•	etrate the floor			
Vapor barrier prese ☐Yes ■No	nt? Describe:					
Other liners installed ☐Yes ■No	d under the floor slab? Describe:					
Fibers or rebar adde ■Yes □No	ed to concrete to minim  Describe: steel reb	ize cracking				
Other techniques us  ☐Yes ■No	sed to restrict vapor miç Describe:		ugh floor?			
Building Expansio	ns					
Year: none	Describe:					
Part 4 HVAC Chara Primary Fuel:  Natural Gas Wood	cteristics    Fuel Oil   Kerosene		□Propane □Solar	<b>;</b>	□Electricity ■Other	
Commercial/Indust HVAC Drawings Rev  Yes						
Contact information Name: Mailing Address:	for HVAC Operator Armando Marina - Director of E State Road #3, km 77.5	Engineering and	Facilities	Phone Num	nber: <u>787-656-4290</u>	
City:	Humacao	State:	PR	Zip C	ode: 00791	
Hours of Operation: Is HVAC zoned?			: dO	_ Weekend:		
Describe and Deline	No If not, what type ate HVAC zones: Roomentilated from louvers located on	m 129 is ventilat	ed using two industri	al-sized fans mou	nted in the equipment room	-
Outside Air Intakes Number of Intakes: 1. Economizer Installed	none Location:	Damper P	Elevation		Size: Flow Rate (CFM): _	
1	Location:		Eleva	ation:	Size:	
Economizer Installed	l? ∐Yes ∏No	Damper	Percent:		Flow Rate (CFM):	
What other types of Mechanical fans	□No passive/active ventilatio	;	Doors	perating?		
	■Other (de	escribe): <u> </u>	ouvers			



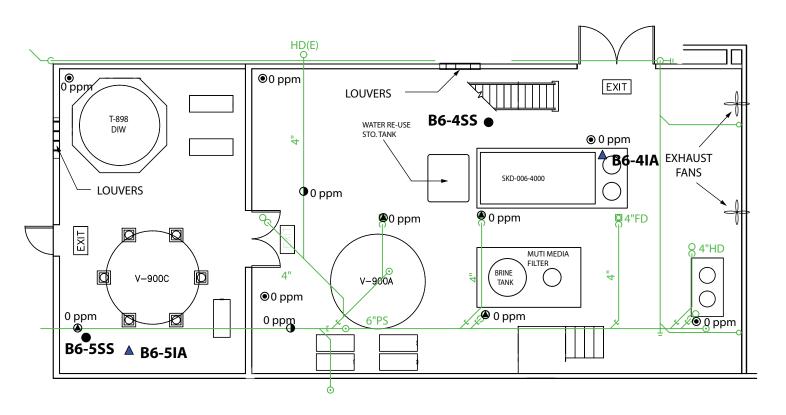
#### **Part 5 Potential Indoor Chemical Sources**

Description	Quantity	Location	MS Revie		Removed Prior to Sampling	
none			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
Part 6 Outside Sources of Co Stationary emission sources pro						
	scribe:					
Mobile emission sources presel  ☐Yes ■No De	nt scribe:					
Loading Docks?						
□Yes ■No De	scribe:					
Chemical Storage Locations?  ☐Yes ■No De	scribe:					



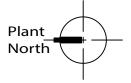
□Yes ■No
☐Yes ■No Describe:
When? Where?
☐Yes ☐No
☐Yes ■No Describe:
☐Yes ■No Describe:
How often?
uilding, the habits of its occupants or ay be of importance in facilitating the
□Sump □Product Screening Value:
Photograph ID:
□Exterior Soil Gas ister □Other (specify): Laboratory: Eurofins Air Toxics
•





#### **LEGEND**

- Floor Drain Screening Location
- Pipe Sleeve screening location
- Breathing Space Screening Location
- Sub-Slab Soil Gas Sample Location
- ▲ Indoor Air Sample Location
- —— Subsurface Utility





Part 1 General Inform	ation				
Site Name: BMSMC HI					
Mailing Address: Rd #3	3, km 77.5	01.1		" O I	
City: Humacao		State: _	PR 2	ip Code:	
Preparer's Name:	Dave Lindstrand				1/29/2015
Preparer's Affiliation:	Anderson Mulholland & Assoc	ciates	Phone	Number:	787-487-4290
Weather Conditions:	Sunny, mid 80's				
Part 2 Building Occup Building Number: Building Building Contact Info Mailing Address: Alvin C City: Humacao	ng 6 Room 188A		_ Zip Code: 00791	Phone	Number <u>787-656-4364</u>
Primary Building Usage: None Former Usage: None	е				
Number of Building Occ	cupants: 1		_ Times of Occupancy	approx. 6	hrs per day
Part 3 Building Chara Building Type (Check a	appropriate boxes)				
Commercial (Office) Sensitive Population Describe: Room 188A is u	n Industrial	`	<b>o</b> ,	rcial (War	ehouse)
Year Constructed: 1980 Building Size: 80 ft^2 Number of Floors above			_ Number of Elevators _ Location of Elevators	-	
Floor Usage:			_		
Construction and Fini Glue/Sealants Used? Number of floors below Basement Type:  Full Partial	☐Yes ■No Degrade:	escribe:			
<b>Basement Characteris</b>	stics (first floor charact	eristics if	no basement is prese	nt)	
Floor Construction:  Concrete Dirt	Stone	□Oth	er (specify):		
Floor Finish:	По 1		(		
☐Bare ☐Tile Glue/Sealants Used?	□Carpet □Yes ■No	∐Oth	er (specify):		
Wall Construction:  ☐Poured Concrete ☐		e <b>■</b> Oth	Describe:		
Moisture:  Moist Damp Basement Sump/Sump Yes No Water in sump? Yes Location:	■Dry Pump Present?			·	
Floor Drains Present?  ☐Yes ■No	Describe				



Are plumbing pipes or utility conduits present that penetrate the floor?  ☐Yes ■No Describe:	
/apor barrier present? ☐Yes ■No Describe:	
Other liners installed under the floor slab? ☐Yes  ■No Describe:	
Fibers or rebar added to concrete to minimize cracking?  Yes No Describe: steel rebar	
Other techniques used to restrict vapor migration through floor?  ☐Yes ■No Describe:	
Building Expansions	
Year: none Describe:	
Part 4 HVAC Characteristics Primary Fuel: Natural Gas Fuel Oil Propane Electricity Wood Kerosene Solar Other	
commercial/Industrial HVAC IVAC Drawings Reviewed? ■Yes □No	
Contact information for HVAC Operator  Iame: Armando Marina - Director of Engineering and Facilities Phone Number: 787-656-4290  Iailing Address: State Road #3, km 77.5	
Mailing Address:         State Road #3, km 77.5           Lity:         Humacao         State:         PR         Zip Code:         00791	_
lours of Operation: Week: Weekend:	_
s HVAC zoned? ■Yes	
Describe and Delineate HVAC zones: Dedicated air handling unit with filters and dehumidification	
Dutside Air Intakes Number of Intakes: 1 (AHU-17-6H) Location: East side of Building 6 Elevation: approx. 35 feet Size: approx. 8x3 ft Conomizer Installed?	
. Location: Elevation: Size:	
conomizer Installed? Yes No Damper Percent: Flow Rate (CFM):	
ixhaust Capability?  ■Yes □No  What other types of passive/active ventilation systems are present/operating?  ■Mechanical fans □Windows □Doors  ■Vent Fans □Other (describe):	



#### **Part 5 Potential Indoor Chemical Sources**

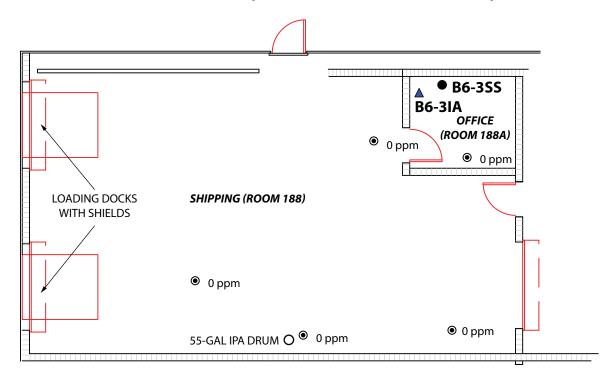
Description	Quantity	Location	MSDS Removed Proceed Reviewed to Sampling			
hand sanitizer	2	Room 188A	■Yes	□No	■Yes	□No
Drum of IPA	55 gal	Room 188	■Yes	□No	■Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
Part 6 Outside Sources of Stationary emission sources  Yes No		1	1			
Mobile emission sources pre		de des esseres de 12 B	400 /	11- 1	<i>C</i>	
■Yes □No Loading Docks?	Describe: Two loading of					
■Yes □No	Describe: possible thes	docks equipped with doo e loading docks were op				
Chemical Storage Locations  ■Yes □No	s? Describe: IPA drums sto	anadia Daam 400 (	- المصاممة			



□Yes ■No
☐Yes ■No Describe:
When? Where?
☐Yes ☐No
☐Yes ■No Describe:
☐Yes ■No Describe:
How often?
uilding, the habits of its occupants or ay be of importance in facilitating the
□Sump □Product Screening Value:
Photograph ID:
□Exterior Soil Gas ister □Other (specify): Laboratory: Eurofins Air Toxics
•

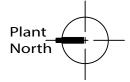


#### **SHIPPING OFFICE (ROOM 188 AND ROOM 188A)**



#### **LEGEND**

- Breathing Space Screening Location
- Sub-Slab Soil Gas Sample Location
- ▲ Indoor Air Sample Location





Part 1 General Information	ation				
Site Name: BMSMC H					
Mailing Address: Rd #3	, km 77.5	<u> </u>			
City: Humacao		State:	PR	Zip Code:	-
Preparer's Name:	D. Lindstrand			Date:	
Preparer's Affiliation:	AMAI		Pho	one Number	787-487-4290
Weather Conditions:	Sunny, mid 80s				
Part 2 Building Occup Building Number: Building Building Contact Info Mailing Address: Alvin C City: Humacao	ng 6 Room 127		Zip Code: 00791	Phone	Number <u>787-656-4364</u>
Primary Building Usage	Room 127 is currently unu	ısed			
Secondary Usage: None					
Former Usage: Rooms 1 Number of Building Occ		ehouse for n	naintenace and utility storage Times of Occupar	OCV. None	
Number of Building Oct	supants. o		Times of Occupat	ncy: None	
Part 3 Building Charac Building Type (Check a					
Commercial (Office) Sensitive Population Describe: Room 127 is be	Industrial	`		mercial (War	ehouse)
Year Constructed: 1974			Number of Elevator	ors: 1	
Building Size: 3,900 sq. ft			 Location of Elevat	Ors: Located e	east of Room 127 (see Figure)
Number of Floors above	grade: 2		<u></u>		
Floor Usage:					
Construction and Finity Glue/Sealants Used? Number of floors below Basement Type:  Full Partial	☐Yes ■No D grade: None	escribe:		-	
<b>Basement Characteris</b>	tics (first floor charac	teristics	if no basement is pre	esent)	
Floor Construction:  Concrete Dirt	□Stone	□Ot	her (specify):		
Floor Finish: ☐Bare ☐Tile Glue/Sealants Used?	□Carpet ■Yes □No	□Ot	her (specify):  Describe: concrete	floor sealed with	Retro-Coat vapor intrusion sealant
Wall Construction:  ☐Poured Concrete ☐0	Cinder Blocks □Stone	e <b>I</b> O	ther (specify): Concrete	Block and Dryw	all
Moisture:  ☐Moist ☐Damp  Basement Sump/Sump ☐Yes ■No  Water in sump? ☐Ye  Location:	_				ActiveInactive
Floor Drains Present?  ■Yes □No	Describe see attache	d figure			



Are plumbing pipes   ■Yes   No		-	etrate the floor?				
■ 163 □ INO	Describe. see at	see attached drawing					
Vapor barrier preser  ■Yes □No	ъ и	ete floor sealed with	n Retro-Coat vapor intrusion	sealant			
Other liners installed ☐Yes ■No	under the floor slab' Describe:	?					
Fibers or rebar adde  ■Yes □No	d to concrete to mini Describe: Steel	minimize cracking? Steel rebar					
Other techniques us ☐Yes ■No	ed to restrict vapor m Describe:	nigration throu	igh floor?		_		
Building Expansion	าร						
Year: None recent	Describe:				_		
Part 4 HVAC Charac Primary Fuel: ☐Natural Gas ☐Wood	cteristics □Fuel Oil □Kerosene	e	□Propane □Solar	■Electricity □Other			
Commercial/Industr HVAC Drawings Rev ■Yes							
Contact information f Name: Mailing Address:	or HVAC Operator  Armando Marina - Dir. Engir  State Road #3, km 77.5	n. and Facilities	Phor	ne Number: <u>787-656-4290</u>	_		
City:	Humacao	State:	Puerto Rico	Zip Code: 00791	_		
Hours of Operation:	Week: 24-hours		We	ekend: 24-hours			
Is HVAC zoned?  ■Yes	No If not, what t	ype of HVAC	is used?				
	ate HVAC zones: Ro	oom 127 was disco	nnected from HVAC system	prior to sampling. A portable exhaust	_		
Outside Air Intakes Number of Intakes:	0				_		
1.	Location: 0		Elevation:	Size:			
Economizer Installed	? Yes No	Damper Po	ercent: varies	Flow Rate (CFM):	_		
1	Location:		Elevation:_	Size:			
Economizer Installed	? Yes No	Damper	Percent:	Flow Rate (CFM):	_		
Exhaust Capability?  Yes  What other types of p  Mechanical fans  Vent Fans	■Windov		are present/operatin ■Doors	g?			



#### **Part 5 Potential Indoor Chemical Sources**

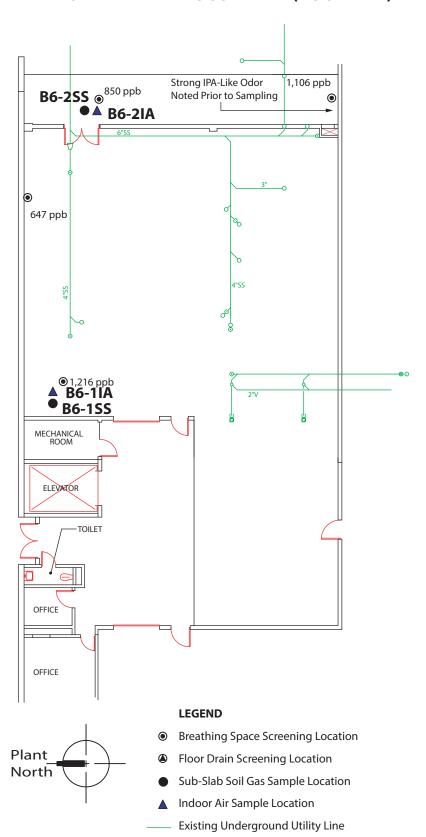
Description	Quantity	Location	MS Revie		Remove to Sam	
None			□Yes	■No	□Yes	■No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
Part 6 Outside Sources of Contamina Stationary emission sources present?	ants					
☐Yes ■No Describe:						
Mobile emission sources present  ☐Yes ☐No Describe:						
Loading Docks?  ☐Yes ■No Describe:						
Chemical Storage Locations?						
☐Yes ■No Describe:						



Part 7 Miscellaneous Information	
Do any of the occupants smoke?	□Yes ■No
Was there any recent remodeling or painting done in the building?	■Yes □No Describe: Wall & Floor demo
Describe the most recent carpeting applied in the building?	When? Where?
Were glues used to attach the carpeting to the floor slab?	☐Yes ■No
Are there any pressed wood products in the building (e.g. hardwood, plywood wall paneling, particleboard, and fiberboard)?	☐Yes ■No Describe:
Are there any new upholstery, drapes, or other textiles?	☐Yes ■No Describe:
Has the building been treated with any pesticides/insecticides?	Yes ■No
What Chemicals?	How often?
Is there any other information about the structural features of the bupotential sources of chemical contaminants to the indoor air that material evaluation of the indoor air quality of the building?  Isopropyl alcohol, a Building 5 Area COC, is used for cleaning in adjacent rooms within Building	ay be of importance in facilitating the
Map Location: see attached diagram  Part 9 Sampling Information Sample Technician: T. Taylor, D. Lindstrand Phone Number Sample Source: Indoor Air Sub-Slab Near Slab Soil Gas Sample Type: Tedlar Bag Sorbent Stainless Steel Can	Sump Product Screening Value: 850-1,216 ppb Photograph ID:  914-251-0400 Exterior Soil Gas ister Other (specify): Laboratory:
Field ID#: See diagnee light Field ID#:	
Weather Conditions  Outside temperature at time of sampling?  Expected High Temperature? 87 °F  Was there significant precipitation within 12 hours of (or during the sampling) event?	
General Observations	
Provide any information that may be pertinent to the sampling event process:  Noted IPA-like throughout Room 127 on March 2, 2015. Odor was strongest in southeast corner of Room 127	



#### **FORMER WAREHOUSE AREA (ROOM 127)**





Part 1 General Inform	ation				
Site Name: BMSMC H					
Mailing Address: Rd #3	3, km 77.5	01.1			
City: Humacao		State:	PR	Zip Code:	-
Preparer's Name:	D. Lindstrand			Date:	
Preparer's Affiliation:	AMAI		Phor	ne Number	787-487-4290
Weather Conditions:	Sunny, mid 80s				
Part 2 Building Occup Building Number: Building Building Contact Info Mailing Address: Alvin C City: Humacao	ng 6 Room 127		Zip Code: 00791	Phone	Number <u>787-656-4364</u>
Primary Building Usage		used			
Secondary Usage: None					
Former Usage: Rooms 1 Number of Building Occ		ehouse for m		N.C. None	
Number of Building Oct	Jupanis. <u>□</u>		Times of Occupand	Cy: None	
Part 3 Building Chara Building Type (Check a					
Commercial (Office) Sensitive Population Describe: Room 127 is be	ı Industrial	`	•	ercial (War	ehouse)
Year Constructed: 1974			Number of Elevator	'S: 1	
Building Size: 3,900 sq. ft			 Location of Elevato	rs: Located e	east of Room 127 (see Figure)
Number of Floors above	e grade: 2		<u></u>		
Floor Usage:					
Construction and Fini Glue/Sealants Used? Number of floors below Basement Type:  Full Partial	☐Yes ■No D grade: None	escribe:			
<b>Basement Characteris</b>	stics (first floor charac	teristics	if no basement is pres	ent)	
Floor Construction:  Concrete Dirt	□Stone	□Ot	her (specify):		
Floor Finish:  Bare  Glue/Sealants Used?	□Carpet ■Yes □No	□Ot	her (specify):	oor sealed with	Retro-Coat vapor intrusion sealant
Wall Construction:  ☐Poured Concrete ☐	Cinder Blocks ☐Stone	e <b>■</b> Ot	ther (specify): Concrete E	Block and Dryw	all
Moisture:  Moist Damp Basement Sump/Sump Yes No Water in sump? Yes Location:	_				
Floor Drains Present?  ■Yes □No	Describe see attached	d figure			



Are plumbing pipes   ■Yes   No		-	etrate the floor?				
■ 163 □ INO	Describe. see at	see attached drawing					
Vapor barrier preser  ■Yes □No	ъ и	ete floor sealed with	n Retro-Coat vapor intrusion	sealant			
Other liners installed ☐Yes ■No	under the floor slab' Describe:	?					
Fibers or rebar adde  ■Yes □No	d to concrete to mini Describe: Steel	minimize cracking? Steel rebar					
Other techniques us ☐Yes ■No	ed to restrict vapor m Describe:	nigration throu	igh floor?		_		
Building Expansion	าร						
Year: None recent	Describe:				_		
Part 4 HVAC Charac Primary Fuel: ☐Natural Gas ☐Wood	cteristics □Fuel Oil □Kerosene	e	□Propane □Solar	■Electricity □Other			
Commercial/Industr HVAC Drawings Rev ■Yes							
Contact information f Name: Mailing Address:	or HVAC Operator  Armando Marina - Dir. Engir  State Road #3, km 77.5	n. and Facilities	Phor	ne Number: <u>787-656-4290</u>	_		
City:	Humacao	State:	Puerto Rico	Zip Code: 00791	_		
Hours of Operation:	Week: 24-hours		We	ekend: 24-hours			
Is HVAC zoned?  ■Yes	No If not, what t	ype of HVAC	is used?				
	ate HVAC zones: Ro	oom 127 was disco	nnected from HVAC system	prior to sampling. A portable exhaust	_		
Outside Air Intakes Number of Intakes:	0				_		
1.	Location: 0		Elevation:	Size:			
Economizer Installed	? Yes No	Damper Po	ercent: varies	Flow Rate (CFM):	_		
1	Location:		Elevation:_	Size:			
Economizer Installed	? Yes No	Damper	Percent:	Flow Rate (CFM):	_		
Exhaust Capability?  Yes  What other types of p  Mechanical fans  Vent Fans	■Windov		are present/operatin ■Doors	g?			



#### **Part 5 Potential Indoor Chemical Sources**

Description	Quantity	Location	MS Revie		Remove to Sam	
None			□Yes	■No	□Yes	■No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
			□Yes	□No	□Yes	□No
Part 6 Outside Sources of Contamina Stationary emission sources present?	ants					
☐Yes ■No Describe:						
Mobile emission sources present  ☐Yes ☐No Describe:						
Loading Docks?  ☐Yes ■No Describe:						
Chemical Storage Locations?						
☐Yes ■No Describe:						



Part 7 Miscellaneous Information	
Do any of the occupants smoke?	□Yes ■No
Was there any recent remodeling or painting done in the building?	■Yes □No Describe: Wall & Floor demo
Describe the most recent carpeting applied in the building?	When? Where?
Were glues used to attach the carpeting to the floor slab?	□Yes ■No
Are there any pressed wood products in the building (e.g. hardwood, plywood wall paneling, particleboard, and fiberboard)?	☐Yes ■No Describe:
Are there any new upholstery, drapes, or other textiles?	☐Yes ■No Describe:
Has the building been treated with any pesticides/insecticides?	
What Chemicals?	How often?
Is there any other information about the structural features of the bipotential sources of chemical contaminants to the indoor air that mevaluation of the indoor air quality of the building?  Isopropyl alcohol, a Building 5 Area COC, is used for cleaning in adjacent rooms within Building 6.	ay be of importance in facilitating the
Part 8 PID Screening Type of Instrument Used: ppb RAE  Measurement Location: See attached diagram  Measurement Description: Floor Crack Drain  Measurement Height: Breathing zone  Map Location: see attached diagram	Sump Product Screening Value: 850-1,216 ppb Photograph ID:
	914-251-0400  Exterior Soil Gas nister Other (specify): Laboratory:
Weather Conditions  Outside temperature at time of sampling?  Expected High Temperature? 85 °F  Was there significant precipitation within 12 hours of (or during the sampling) event?  □Yes ■No  Describe the general weather conditions: Hot and humid, dry	
General Observations Provide any information that may be pertinent to the sampling event process: 24 hour prior to sampling Room 127 was ventilated with an exhaust fan that drew indoor into the row Wall openings between Building 5 and Building 6 were sealed using PVC-coated cardboard and compared to the sampling event process:	oom from the adjacent which contained a loading dock.



#### **FORMER WAREHOUSE AREA (ROOM 127)**

